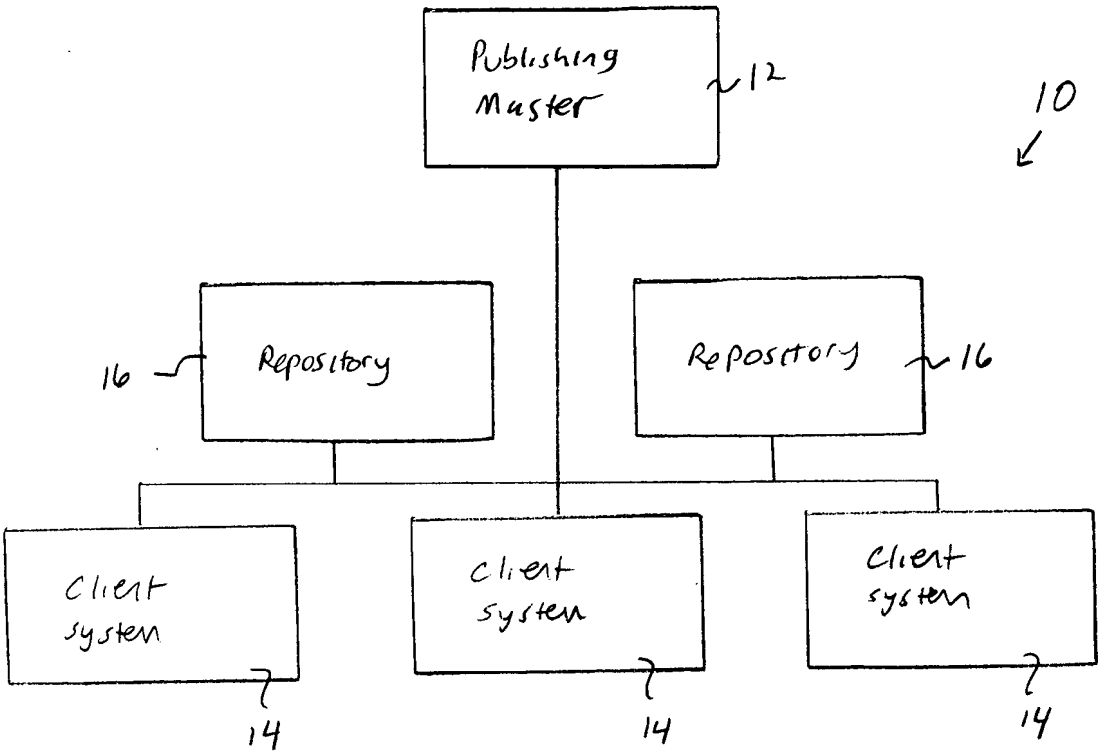
Publishing Master
12
10
Repository
16
Repository
16
Client system
14
Client system
14
Client system
14

Figure 1

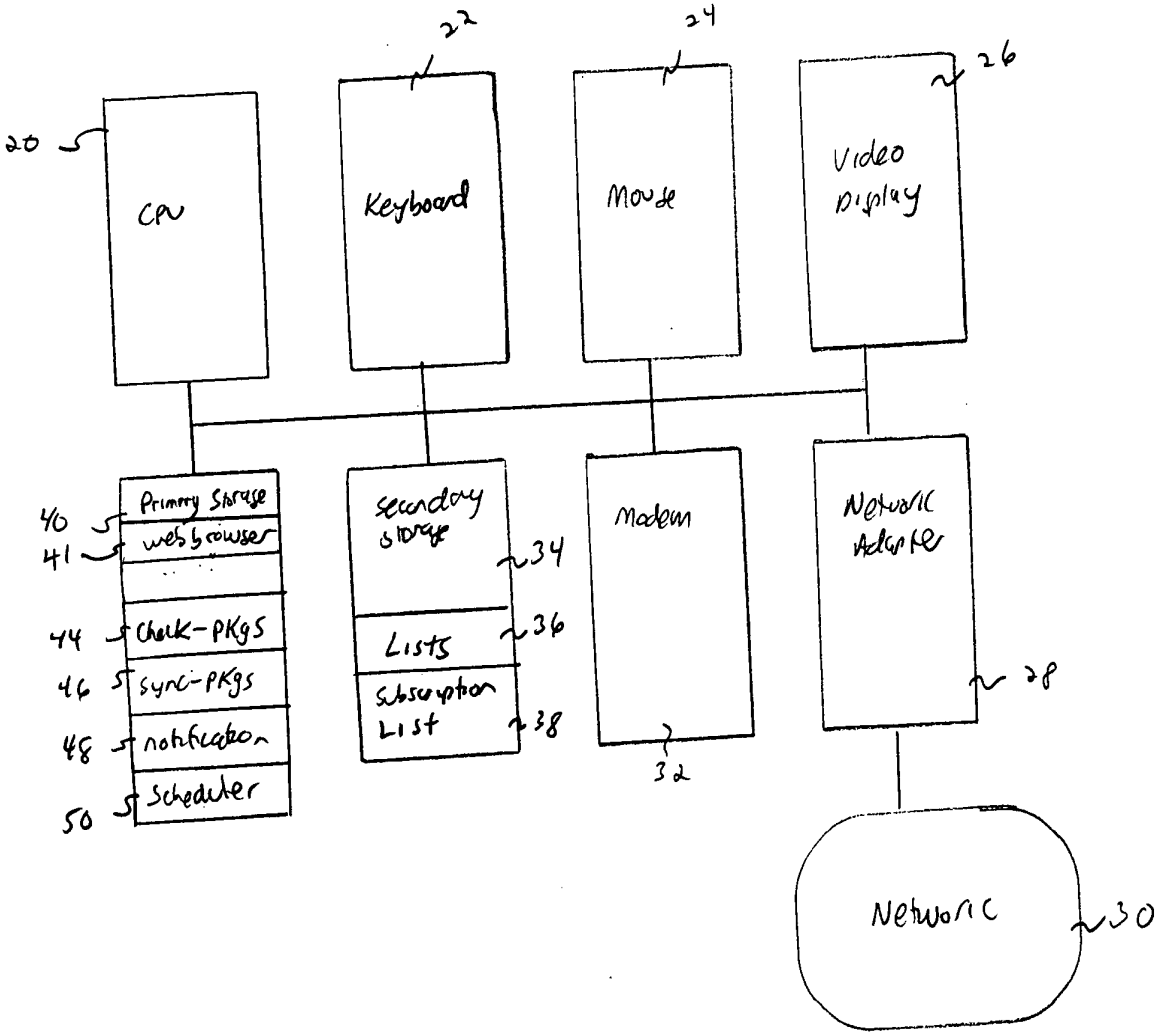
22
24
26
20
CPU
Keyboard
Mouse
Video display
Primary Storage
40
41
web browser
44
Check-PKGS
46
sync-PKGS
48
notification
50
Scheduler
Secondary storage
34
Lists
36
Subscription List
38
Modem
32
Network Adapter
28
Network
30
14

Figure 2

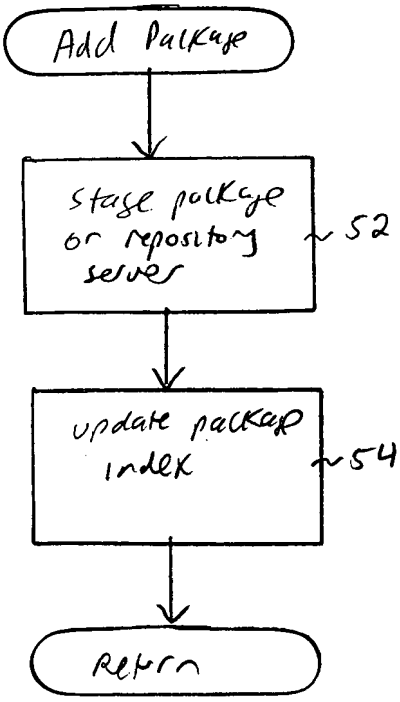
Add Package
Stage package or repository server
52
update package index
54
Return

Figure 3

6691E0 "HT02E60

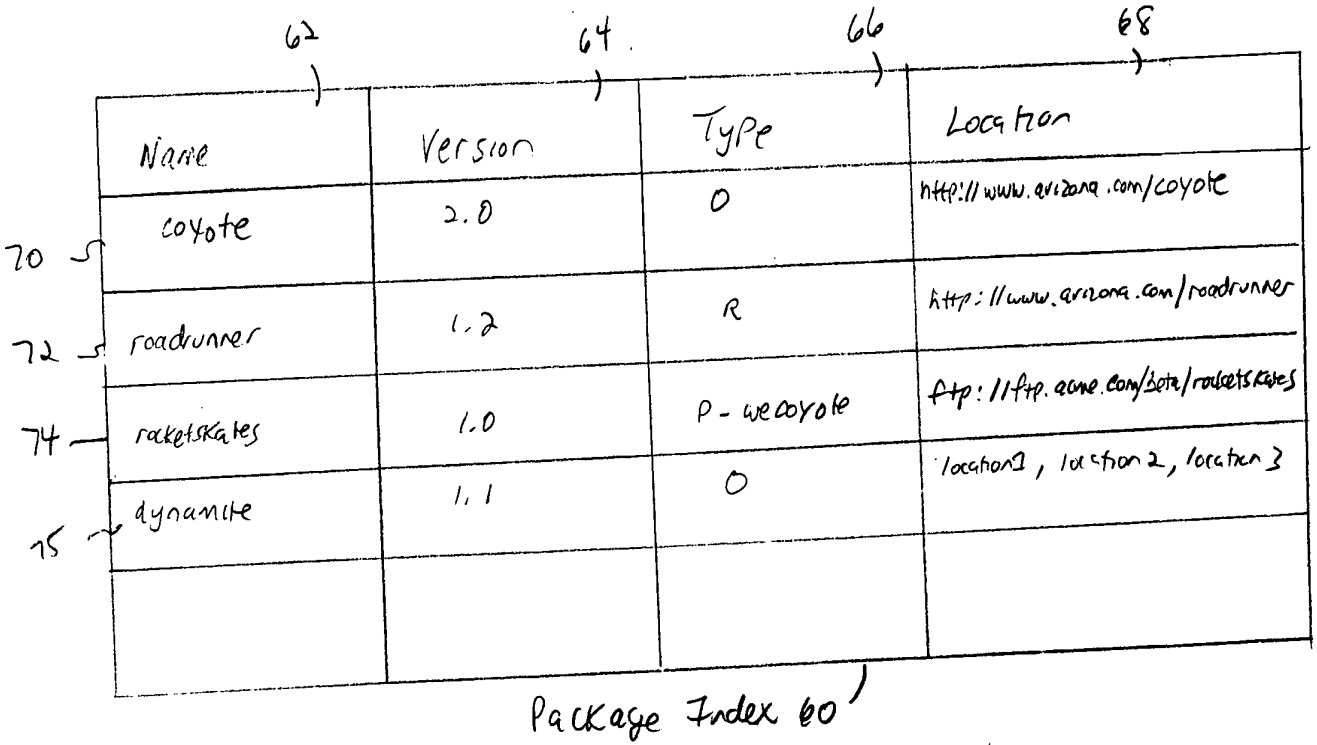

Figure 4

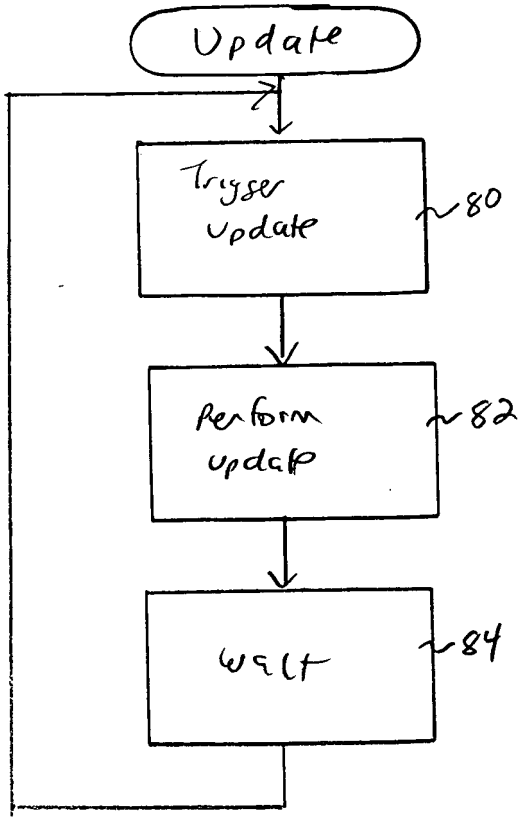

Figure 5

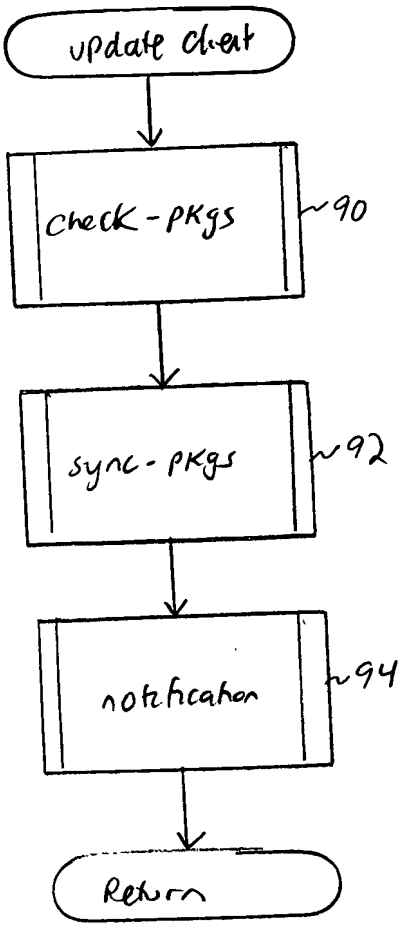
update client
check-PKgs
90
sync-PKgs
92
notification
94
Return

Figure 6

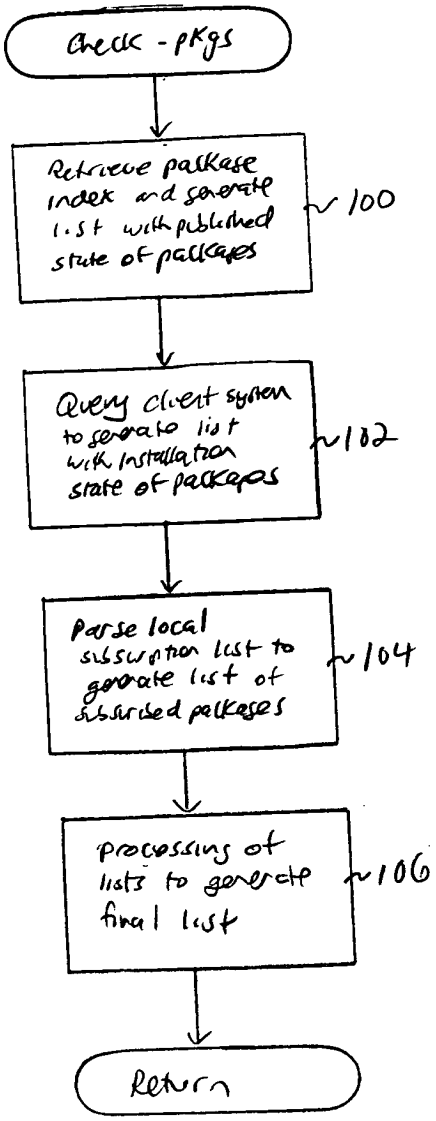
Check - pkgs
Retrieve package index and generate list with published state of packages
100
Query client system to generate list with installation state of packages
102
Parse local subscription list to generate list of subscribed packages
104
Processing of lists to generate final list
106
Return

Figure 7

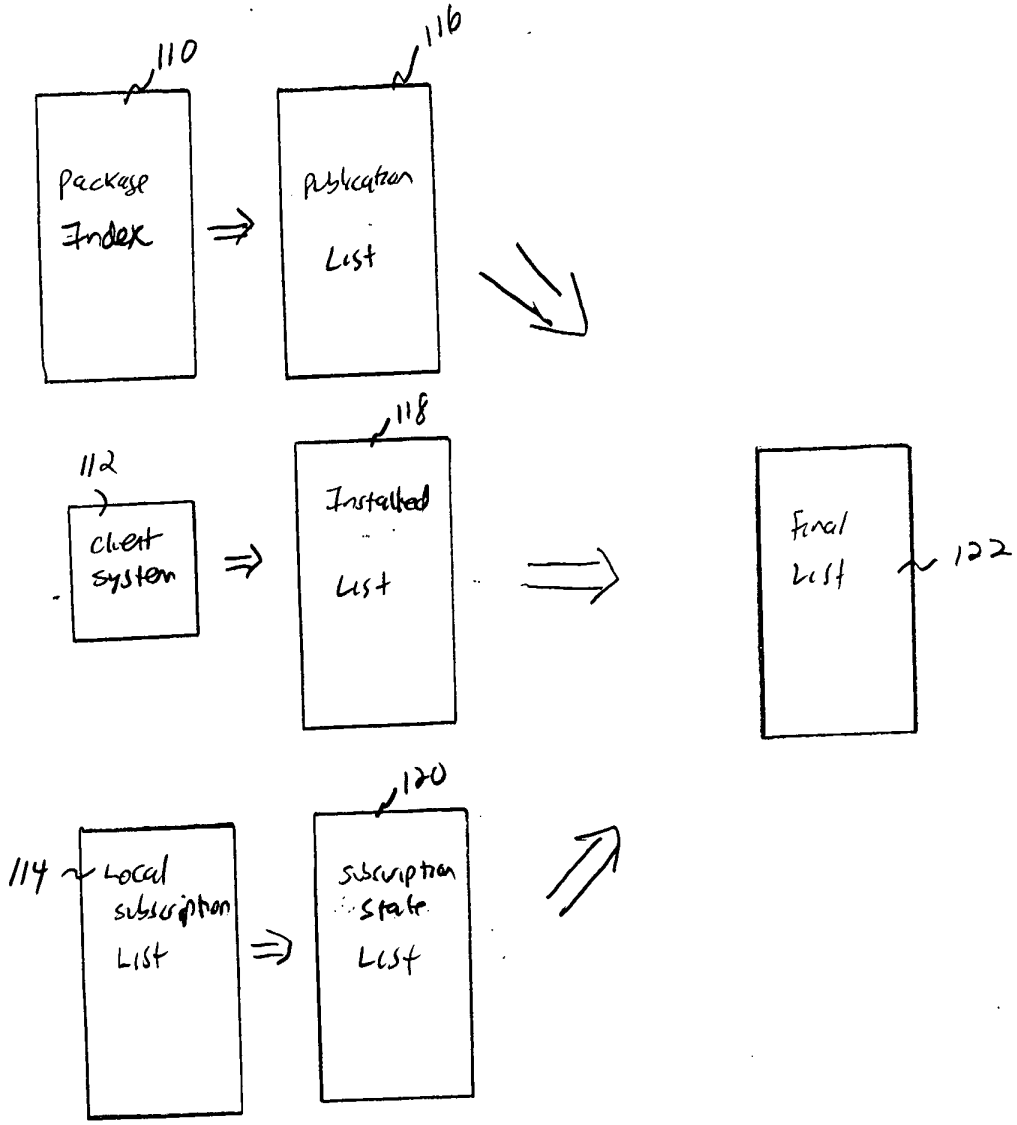
110
Package Index
116
Publication List
112
Client System
118
Installed List
Final List
122
114
Local subscription List
120
Subscription State List

Figure 3

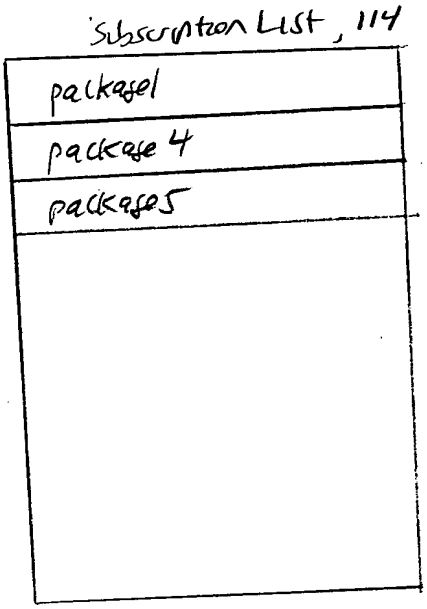

Figure 9

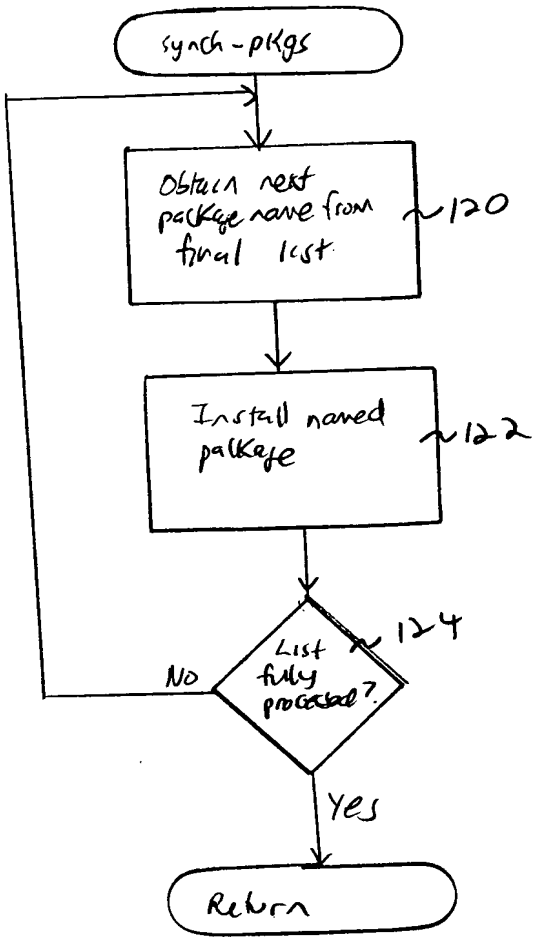
synch-pkgs
Obtain next package name from final list
120
Install named package
122
List fully processed?
124
No
Yes
Return

Figure 10

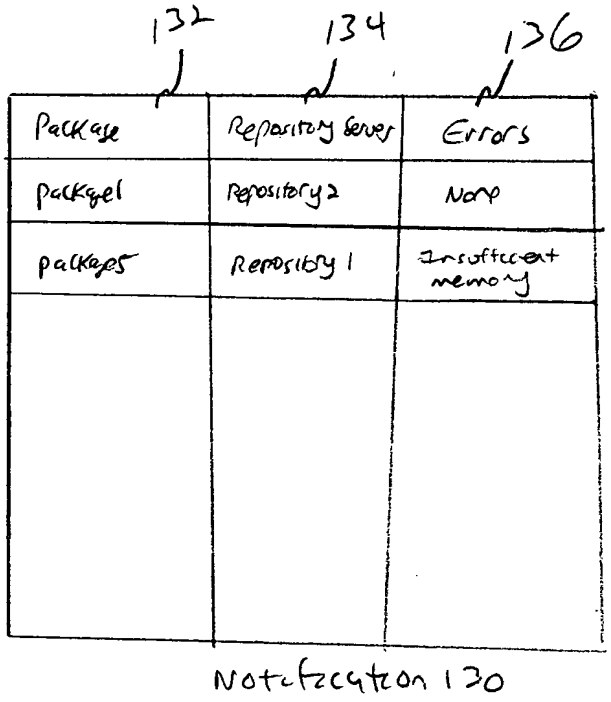
132
134
136
Package
Repository Server
Errors
package1
Repository2
None
package5
Repository 1
Insufficient memory
Notification 130

Figure 11

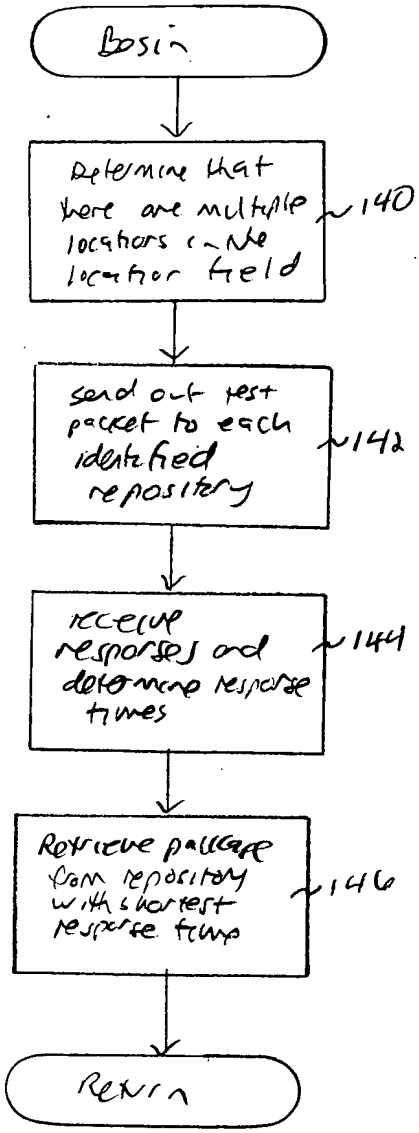
Begin
Determine that there are multiple locations in the location field
140
send out test packet to each identified repository
142
receive responses and determine response times
144
Retrieve package from repository with shortest response time
146
Return

Figure 12